

Amendments to the specification:

On page 1, after the title, please insert the following:

CROSS-REFERENCE TO RELATED APPLICATIONS

Patent applications Ser. Nos. 10/491,087 and 10/492,441 contain a similar subject matter.

On page 1, please amend the first paragraph as follows:

The present invention relates to a method and/or a measuring device for locating objects enclosed in a medium ~~according to the preamble of Claim 1 and/or Claim 13.~~

On page 3, line 23, please amend the heading as follows:

Advantages Summary of the Invention

On page 8, line 4, please amend the heading as follows:

Brief Description of the ~~Drawing~~ Drawings

On page 8, line 28, please amend the heading as follows:

Detailed Description of the Preferred Embodiments

On page 31, please amend the abstract as follows:

~~The invention relates to~~ In a method for locating objects enclosed in a medium, ~~according to which~~ a detection signal is generated by at least one capacitive sensor device. ~~Said~~ The detection signal penetrates the medium that is to be analyzed in such a way that information is obtained about the objects that are enclosed in the medium by evaluating the detection signal, particularly by measuring impedance. ~~According to the invention, in~~ In order to evaluate the detection signal, an algorithm is used that separates the measured signal into signal parts originating from the enclosing medium and signal parts originating from the object enclosed in the medium. ~~The invention also relates to a~~ A measuring device ~~for carrying out~~ carries out the inventive method.

(Figure 5)